INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C25C7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C25C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

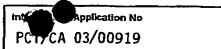
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

Citation of document, with indication, where appropriate, of the relevant passages	Retevant to daim No.
US 6 131 798 A (PRENGAMAN R DAVID) 17 October 2000 (2000-10-17) column 3, line 57 -column 4, line 38; figures 3,4	1-3,6,8, 9
US 5 172 850 A (PRENGAMAN RAYMOND D ET AL) 22 December 1992 (1992-12-22) column 3, line 10 - line 30; figures 3,4	1-3,6,8, 9
US 5 492 609 A (ASSENMACHER WILLIAM) 20 February 1996 (1996-02-20) column 4, line 45 - line 67	1-3,6-9
EP 0 301 115 A (KIDD CREEK MINES LTD) 1 February 1989 (1989-02-01) column 4, line 18 - line 32; claim 1; figure 5 -/	1-3,6,8, 9
	US 6 131 798 A (PRENGAMAN R DAVID) 17 October 2000 (2000-10-17) column 3, line 57 -column 4, line 38; figures 3,4 US 5 172 850 A (PRENGAMAN RAYMOND D ET AL) 22 December 1992 (1992-12-22) column 3, line 10 - line 30; figures 3,4 US 5 492 609 A (ASSENMACHER WILLIAM) 20 February 1996 (1996-02-20) column 4, line 45 - line 67 EP 0 301 115 A (KIDD CREEK MINES LTD) 1 February 1989 (1989-02-01) column 4, line 18 - line 32; claim 1; figure 5

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the International filling date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filling date but later than the priority date claimed	 "T" later document published after the international fling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 4 September 2003	Date of mailing of the international search report 19/09/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Teppo, K-M
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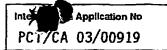
INTERNATIONAL SEARCH REPORT



		PCT/CA 03/00919			
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category •	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.		
	WO 03 062497 A (MOUNT ISA MINES ;WEBB WAYNE KEITH (AU)) 31 July 2003 (2003-07-31) claims 1,2,7; figures 1-3		1-3,6,8, 9		
			·		
			ì		

INTERNATIONAL SEARCH REPORT





	itent document In search report		Publication date		Patent family member(s)		Publication date
US	6131798	A	17-10-2000	AT	239108	T	15-05-2003
				CA	2348491	A1	06-07-2000
				DE	69907520	D1	05-06-2003
				EP	1147247	A1	24-10-2001
				MO	0039366		06-07-2000
				ZA	200103430	A	26-07-2002
US	5172850	Α	22-12-1992	NONE			
US	5492609	A	20-02-1996	CA	2169521	A1	15-08-1997
EP	0301115	A	01-02-1989	CA	1263627	A1	05-12-1989
	-			ΑU	600962	B2	30-08-1990
				AU	7610487	Α	27-01-1989
			ĒΡ	0301115	A1	01-02-1989	
				JP	1042593	A	14-02-1989
				JP	2607535		07-05-1997
			NO	870406	А ,В,	13-08-1987	
				US	4882027	A	21-11-1989
พด พ	03062497	A	31-07-2003	WO	03062497	A1	31-07-2003